

CLAIMS:

1. A brushing attachment for an electric toothbrush, comprising:

5 a neck extending in a longitudinal direction of the brushing attachment,

a head at a remote end of the neck,

a driveshaft extending in a longitudinal direction of the neck and having a rotation axis extending in the

10 longitudinal direction,

a tuft block mounted to the head for oscillation about a pivot axis extending substantially normally to the rotation axis of the driveshaft,

15 a cam attached to or formed integrally with the driveshaft and providing a cam surface surrounding the longitudinal axis and being of varied displacement in the longitudinal direction, and

20 a cam follower associated mechanically with the tuft block and bearing against the cam surface to effect pivotal oscillation of the tuft block about the pivot axis.

2. The brushing attachment of Claim 1, wherein the head comprises a fixed pin on which the tuft block is mounted.

25 3. The brushing attachment of Claim 1 wherein the cam follower comprises a lever that pivots about an axis that extends across and in a direction substantially normally to the rotation axis of the driveshaft.

4. The brushing attachment of Claim 3 further comprising a connecting rod attached at one end to the cam follower and at its other end to the tuft block that is positioned offset radially from the tuft block pivot axis.
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5. The brushing attachment of Claim 4 further comprising one or more seals between the connecting rod and the neck.
- 10 6. The brushing attachment of Claim 1 wherein the cam extends to the head and interacts directly with the tuft block.
7. The brushing attachment of Claim 6 wherein the cam follower is attached to or formed integrally with the tuft block.
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8. The brushing attachment of Claim 7 wherein the cam follower is parallel to and spaced from the pivot axis of the tuft block.
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9. The brushing attachment of Claim 7 further comprising a seal between the shaft and the neck.
- 25 10. An electric toothbrush having the brushing attachment of any one of the preceding claims attached thereto or formed integrally therewith.